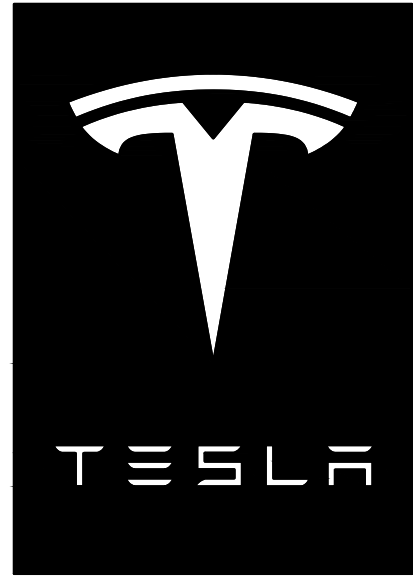


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February 2, 2022 6:10 PM - kbell

TESLA



CHARGING STATION
351 MEIJER WAY (TESLA STATION)
LEXINGTON, KY 40503
TRT18626

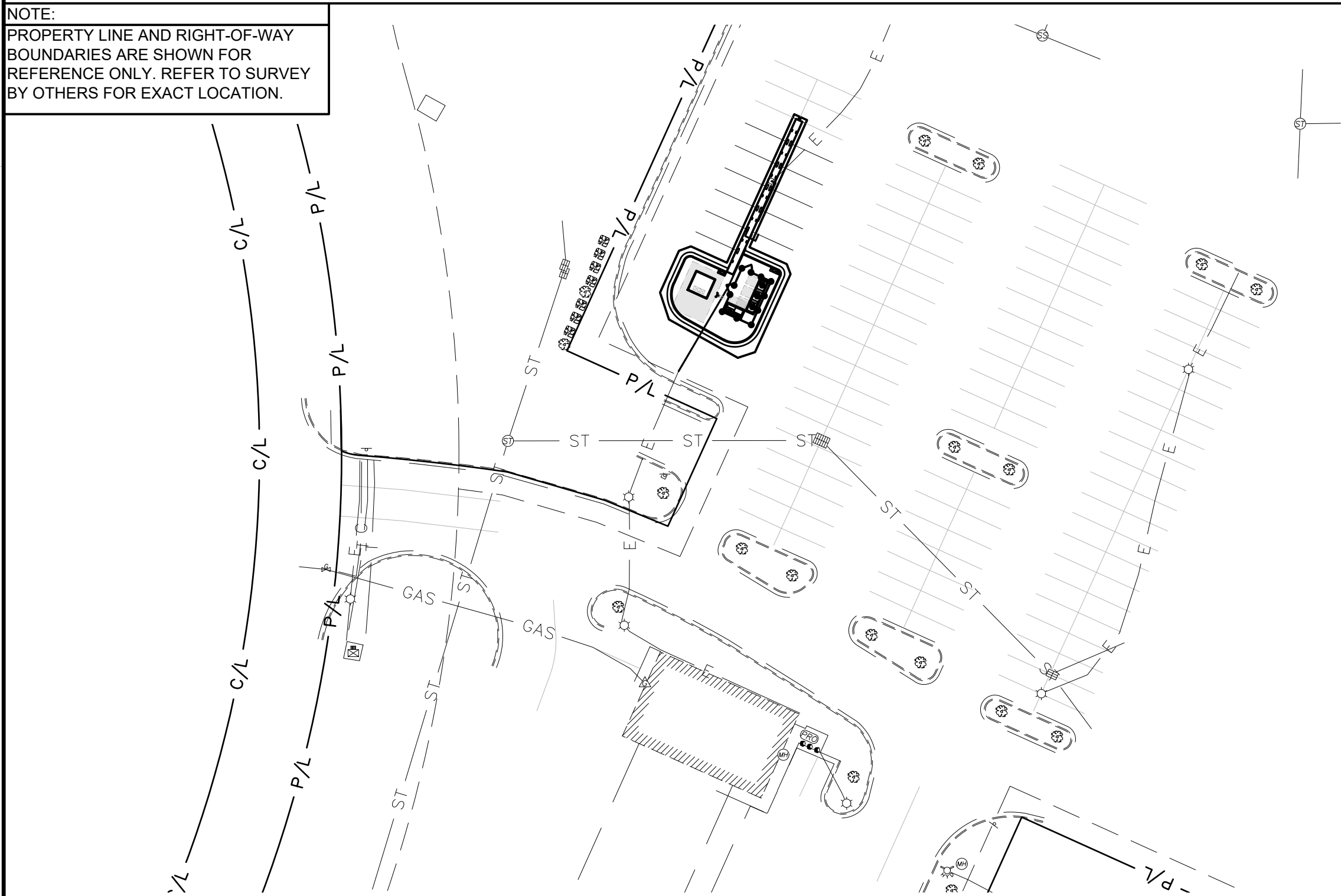


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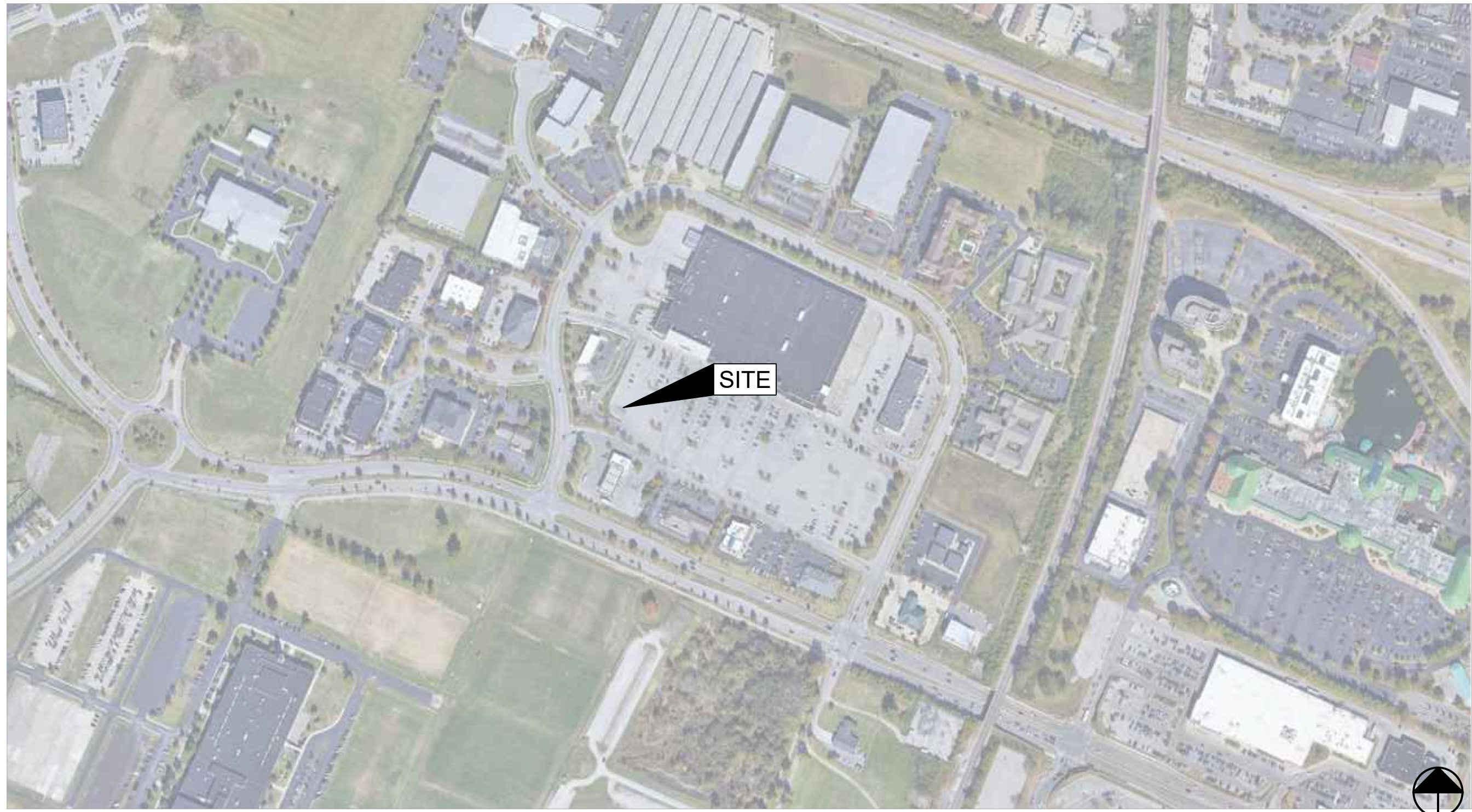


3500 DEER CREEK RD
PALO ALTO, CA 94304
(650) 891-5000

SITE LAYOUT



AERIAL MAP



MAP DATA ©2022 GOOGLE

SITE INFORMATION

ADDRESS:
351 MEIJER WAY
(TESLA STATION)
LEXINGTON, KY 40503

POWER COMPANY:
KENTUCKY UTILITIES COMPANY
CONTACT: WILLIAM HAYES
WILLIAM.HAYES@LGE-KU.COM
WORK ORDER #: TBD

PROPERTY OWNER:
MEIJER, INC.
CONTACT: MATT LEVITT
(616) 791-3909

EQUIPMENT SUPPLIER:
TESLA, INC.
3500 DEER CREEK ROAD
PALO ALTO, CA 94304
(650) 681-5000

LATITUDE (NAVD88)
N 37°59'43.7316"
37.995481°

LONGITUDE (NAVD88)
W 84°31'58.1124"
-84.532809°

PERMITTING JURISDICTION:
CITY OF LEXINGTON
CONTACT: TBD
PLANNING COMMISSION
PLANNINGMAILBOX@LEXINGTONKY.GOV
(859) 258-3160

COUNTY:
FAYETTE

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

2015 INTERNATIONAL BUILDING CODE
2017 NATIONAL ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.



DESIGN LOADING

LATERAL LOAD DESIGN DATA:
WIND DESIGN DATA (ASCE 7-10):

BASIC WIND SPEED (V_{ult}): 115 MPH
BASIC WIND SPEED (V_{ref}): 89 MPH
IMPORTANCE FACTOR: 1.0
EXPOSURE CATEGORY: C

SEISMIC DESIGN DATA (ASCE 7-10):
1.0 SEISMIC IMPORTANCE FACTOR (I): 1.0
RISK CATEGORY: II
SITE CLASS (ASSUMED): D
MAPPED SPECTRAL RESPONSE
SHORT PERIODS (S_s): 0.1860
1 SEC. PERIODS (S_1): 0.0920
SPECTRAL RESPONSE COEFF.
SHORT PERIODS (S_{DS}): 0.1984
1 SEC. PERIODS (S_{D1}): 0.1472

SEISMIC DESIGN CATEGORY: C

FROST DEPTH: 20"

DRAWING INDEX

T-M	TITLE SHEET & PROJECT DATA
T-1	TITLE SHEET & PROJECT DATA
DP-1	AMENDED OVERALL DEVELOPMENT PLAN
	TOPOGRAPHIC SURVEY (BY OTHERS)
	TOPOGRAPHIC SURVEY (BY OTHERS)
CIVIL	SHEET TITLE
GN-1	GENERAL NOTES
C-1	DEMOLITION PLAN
C-2	SITE PLAN
C-3	CIVIL DETAILS
C-4	CIVIL DETAILS
C-5	CIVIL DETAILS
ELECTRICAL	SHEET TITLE
EN-1	ELECTRICAL GENERAL NOTES
E-1	ELECTRICAL EQUIPMENT PLAN
E-2	ONE-LINE DIAGRAM & PANEL SCHEDULE
E-3	ELECTRICAL DETAILS

REFERENCED DOCUMENTS
SUPERCHARGER INSTALLATION MANUAL
SUPERCHARGER POST INSTALLATION MANUAL
UTILITY DESIGN DOCUMENTS
ELECTRICAL EQUIPMENT CUTSHEETS

PROJECT DESCRIPTION

- INSTALL (3) V3 SUPERCHARGER CABINETS
- INSTALL (12) V3 CHARGING POSTS
- INSTALL (1) SWITCHGEAR ASSEMBLY WITH INTEGRATED MASTER CONTROLLER
- INSTALL (1) UTILITY TRANSFORMER
- INSTALL (1) UTILITY METER ON H-FRAME

BEFORE SCALING & PLAN REPRODUCTION WARNING

CONTRACTORS SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND FIELD CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY TESLA IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

FLOOD HAZARD AREA NOTE

THE SITE IS LOCATED IN FLOOD ZONE "X" (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FLOOD INSURANCE MAP NUMBER 2100670206E, EFFECTIVE DATE - 12/21/2017.

REV.	DATE	DESCRIPTION
A	12/09/21	ISSUED FOR 90% REVIEW
B	12/27/21	REVISED 90% REVIEW
C	02/02/22	SIGNED AND SEALED



02/03/22

351 MEIJER WAY
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LEXINGTON, KY 40503

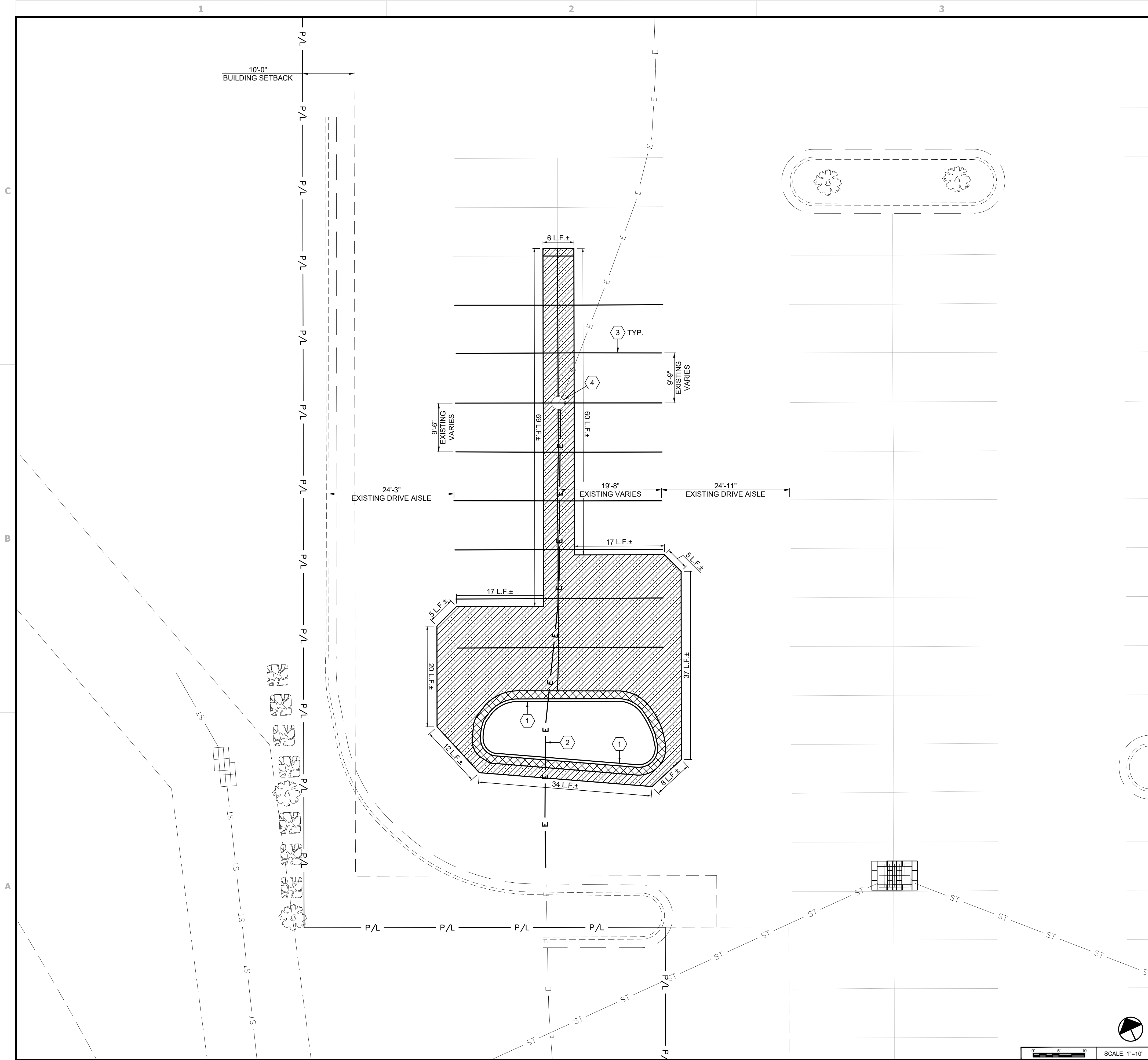
TITLE SHEET &
PROJECT DATA

ISSUED FOR:	
PERMIT	xxx
BID	xxx
CONSTRUCTION	xxx
RECORD	xxx

INSTALL MANAGER	DESIGNER
WILL CARTER	KSB

JOB NO.
2021141.14

T-1



DEMOLITION KEYNOTES AND LEGEND

1. EXISTING CURB TO BE REMOVED.

2. EXISTING LIGHT POLE CONDUIT TO BE RELOCATED. SEE SHEET E-1 FOR NEW LOCATION.

3. EXISTING PAVEMENT MARKINGS TO BE REMOVED. CONTRACTOR SHALL REMOVE MARKINGS WITH SMALL HANDHELD GRINDERS, SCARIFIERS, BEAD BLASTING, SAND BLASTING, WATER BLASTING OR OTHER METHODS, WITH THE APPROVAL OF THE ENGINEER OF RECORD. TAKE CARE DURING MARKING REMOVAL TO NOT SCAR, DISCOLOR, OR OTHERWISE DAMAGE THE PAVEMENT SURFACE. DO NOT OVER PAINT OR USE OTHER METHODS OF COVERING MARKINGS IN LIEU OF REMOVAL. WATER BLASTING METHOD SHALL NOT BE USED DURING FREEZING WEATHER CONDITIONS.

4. EXISTING LIGHT POLE TO REMAIN. PROTECT LIGHT POLE THROUGHOUT CONSTRUCTION.

EXISTING CONCRETE TO BE REMOVED
(APPROXIMATELY 104 SF)
TRENCHING NOT INCLUDED. REMOVE UP TO EXISTING JOINT.

EXISTING ASPHALT TO BE REMOVED
(APPROXIMATELY 1,705 SF)
TRENCHING NOT INCLUDED

XX L.F. ±

DENOTES LIMITS OF SAWCUT

PROPOSED DANDY BAG OR APPROVED EQUAL.
SEE DETAIL ON CIVIL SHEETS

GENERAL SHEET NOTES

1. CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING, APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR EXCEED EXISTING PAVEMENT COMPOSITION AND THICKNESS. NOTIFY TESLA OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.

2. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.

3. FOR TRAFFIC CONTROL PROCEDURES (IF APPLICABLE), SEE TRAFFIC CONTROL NOTES ON SHEET GN-1.

4. PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY SPENCER LAND SURVEYING DATED 10/24/2021 FOR EXACT LOCATION.

GPD GROUP, INC.®

520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

TESLA

3500 DEER CREEK RD
PALO ALTO, CA 94304
(650) 881-5000

REV.

DATE

DESCRIPTION

A

12/09/21

ISSUED FOR 90% REVIEW

B

12/27/21

REVISED 80% REVIEW

C

02/02/22

SIGNED AND SEALED

LEONARDO A. SFERRA
31562
LICENSED PROFESSIONAL ENGINEER

02/03/22

351 MEIJER WAY
(TESLA STATION) - TRT18626
LEXINGTON, KY 40503

DEMOLITION PLAN

ISSUED FOR:

PERMIT

BID

CONSTRUCTION

RECORD

XXX

XXX

XXX

XXX

INSTALL MANAGER

DESIGNER

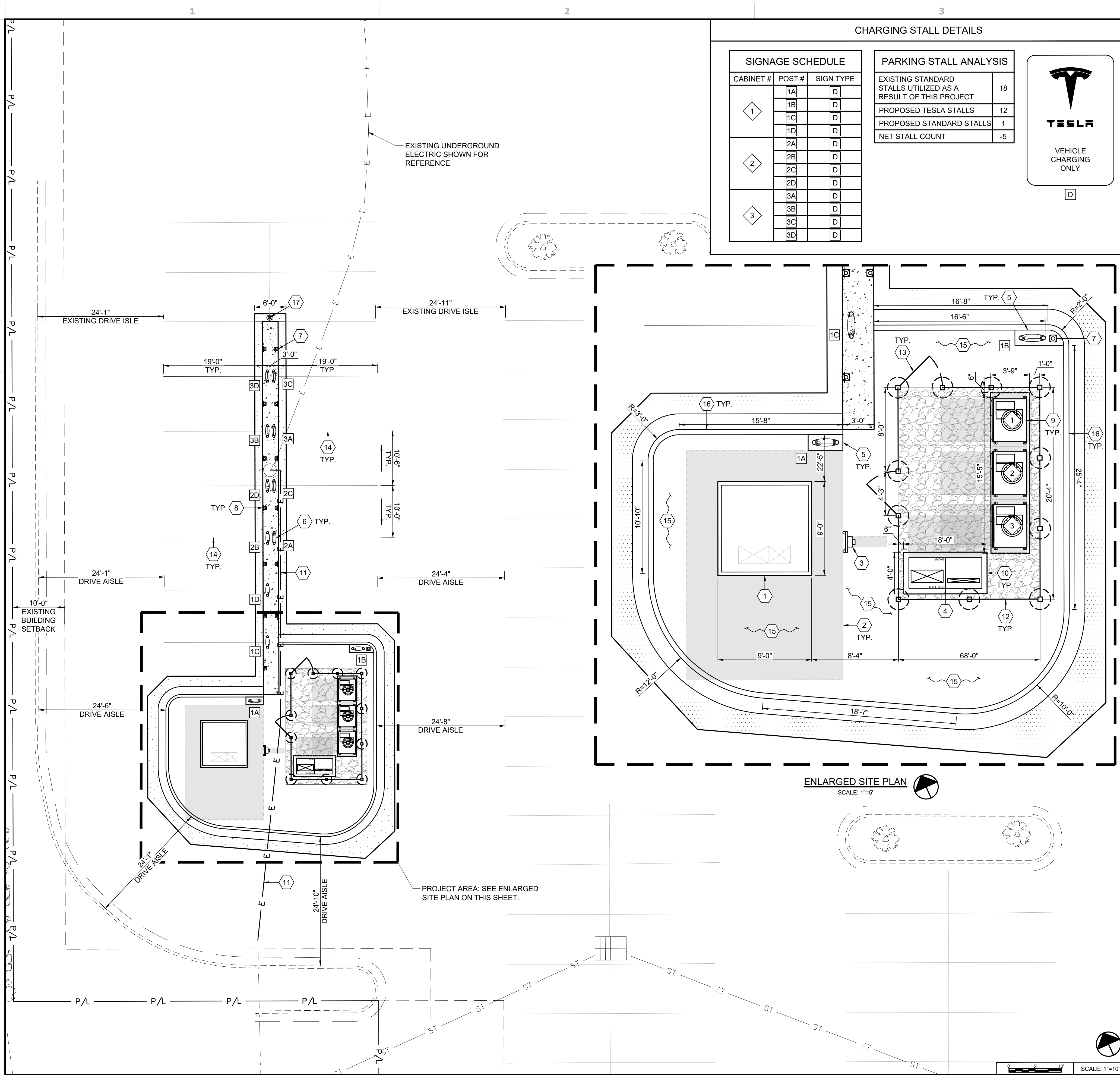
WILL CARTER

KSB

JOB NO.

2021141.14

C-1



CHARGING STALL DETAILS

SIGNAGE SCHEDULE		
CABINET #	POST #	SIGN TYPE
1	1A	D
	1B	D
	1C	D
	1D	D
2	2A	D
	2B	D
	2C	D
	2D	D
3	3A	D
	3B	D
	3C	D
	3D	D

PARKING STALL ANALYSIS	
EXISTING STANDARD STALLS UTILIZED AS A RESULT OF THIS PROJECT	18
PROPOSED TESLA STALLS	12
PROPOSED STANDARD STALLS	1
NET STALL COUNT	-5



CONSTRUCTION KEYNOTES AND LEGEND (#)

- PROPOSED PAD MOUNTED ELECTRICAL UTILITY TRANSFORMER (BY UTILITY). CONTRACTOR SHALL PROVIDE CONCRETE PAD PER UTILITY SPECIFICATIONS. COORDINATE FINAL LOCATION WITH UTILITY. SEE ELECTRICAL PLANS FOR PROPOSED ROUTING.
- PROPOSED EQUIPMENT CLEAR SPACE (TYPICAL).
- PROPOSED ELECTRIC METER MOUNTED TO H-FRAME PER ELECTRIC COMPANY SPECIFICATIONS AND DETAILS ON ELECTRICAL SHEETS.
- PROPOSED SWITCHGEAR ASSEMBLY WITH INTEGRATED MASTER CONTROLLER PER ELECTRICAL DRAWINGS. SEE SHEET C-3 FOR ANCHORAGE DETAIL.
- PROPOSED TESLA CHARGE POST WITH INDIVIDUAL CAST-IN-PLACE FOUNDATION, ACCESS PANEL TO FACE PARKING LOT (TYPICAL OF 2). SEE DETAILS ON SHEET C-3. FOR POST 1B, CONTRACTOR SHALL EXTEND CAST-IN-PLACE FOUNDATION TO CURB. SEE ENLARGED SITE PLAN THIS SHEET.
- PROPOSED TESLA CHARGE POST IN CONTINUOUS CURB FOUNDATION WITH SERVICEABLE SIDE FACING PAVEMENT (TYPICAL OF 10). SEE DETAILS ON SHEET C-4.
- PROPOSED BOLT-ON BOLLARD (TYPICAL OF 2). SEE DETAIL ON SHEET C-4.
- PROPOSED BOLT ON BOLLARD/TESLA NON-ILLUMINATED PARKING SIGN (TYPICAL OF 12). SEE DETAILS ON SHEET C-4. SEE CHARGING POST SCHEDULE THIS SHEET FOR SIGN TYPE.
- PROPOSED TESLA CHARGING CABINET (TYPICAL OF 3). SEE DETAILS ON SHEETS C-3.
- PROPOSED CONCRETE PAD. SEE DETAIL ON SHEET C-3.
- PROPOSED RELOCATED LIGHT POLE CONDUIT. FINAL LOCATION TO BE COORDINATED WITH TESLA, UTILITY, AND PROPERTY OWNER.
- PROPOSED TREX 'SECLUSION' FENCING. SEE DETAILS ON SHEET C-5.
- PROPOSED TREX 'SECLUSION' SINGLE GATE WITH KEYPAD AND PANIC HARDWARE (TYPICAL OF 2). SEE DETAILS ON SHEET C-5.
- PROPOSED PAINTED 4" WIDE SOLID WHITE STRIPE. SEE PAVEMENT MARKING NOTES ON SHEET GN-1.
- ALL DISTURBED AREAS SHALL BE RETURNED TO MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED.
- PROPOSED 6" CONCRETE CURB AND GUTTER. SEE DETAIL ON SHEET C-3.
- PROPOSED DETERRENT BOLLARD (TYPICAL OF 1). SEE DETAIL ON SHEET C-3.

- PROPOSED CONCRETE. TRENCHING NOT INCLUDED
- PROPOSED ASPHALT PAVEMENT TO MATCH EXISTING IN TYPE AND DEPTH. INCLUDE ENGINEERED COMPACTED BACKFILL BELOW PAVEMENT SECTION. TRENCHING NOT INCLUDED
- RIVER ROCK MULCH AREA: POLYETHYLENE FABRIC SHALL BE LAID UNDER AGGREGATE MULCH, 3/4"-1-1/2" IN SIZE, WASHED AND ROUNDED, SHALL BE INSTALLED WITHIN THE RIVER ROCK MULCH AREA PER THE PLAN. RIVER ROCK MULCH SHALL BE INSTALLED AT 4 INCH DEPTH.

GENERAL SHEET NOTES

- CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING, APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR EXCEED EXISTING PAVEMENT COMPOSITION AND THICKNESS. NOTIFY TESLA OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
- APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
- PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY SPENCER LAND SURVEYING DATED 10/24/2021 FOR EXACT LOCATION.
- SEE SPENCER LAND SURVEYING FOR ALL APPLICABLE BENCHMARKS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SLOPES AND GRADES PRIOR TO CONSTRUCTION. FINAL GRADES SHALL BE DETERMINED IN FIELD BY THE CONTRACTOR AND APPROVED BY THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARDS THE NEAREST EXISTING DRAINAGE STRUCTURE AND ENSURE NO PONDING OCCURS ON SITE.
- CONTRACTOR SHALL ENSURE SLOPES OF PARKING STALL 3B, 3C, 3D, AND ADJACENT TRANSVERSE STRIPED AREA CONFORM WITH ADA SLOPE REQUIREMENTS. NO SLOPE SHALL EXCEED 2% IN ANY DIRECTION WITHIN PARKING STALL 3B, 3C, 3D, AND ADJACENT TRANSVERSE STRIPED AREA. CONTRACTOR SHALL REMOVE AND RE-GRADE PAVEMENT AS REQUIRED TO ACHIEVE NECESSARY SLOPES PER AHJ ACCESSIBILITY REGULATIONS. CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH THE CURRENT AHJ'S REGULATIONS.



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



3500 DEER CREEK RD
PALO ALTO, CA 94304
(650) 681-5000

REV.	DATE	DESCRIPTION
A	12/09/21	ISSUED FOR 90% REVIEW
B	12/27/21	REVISED 90% REVIEW
C	02/02/22	SIGNED AND SEALED



02/03/22

351 MEIJER WAY
(TESLA STATION) - TRT18626
LEXINGTON, KY 40503

SITE PLAN

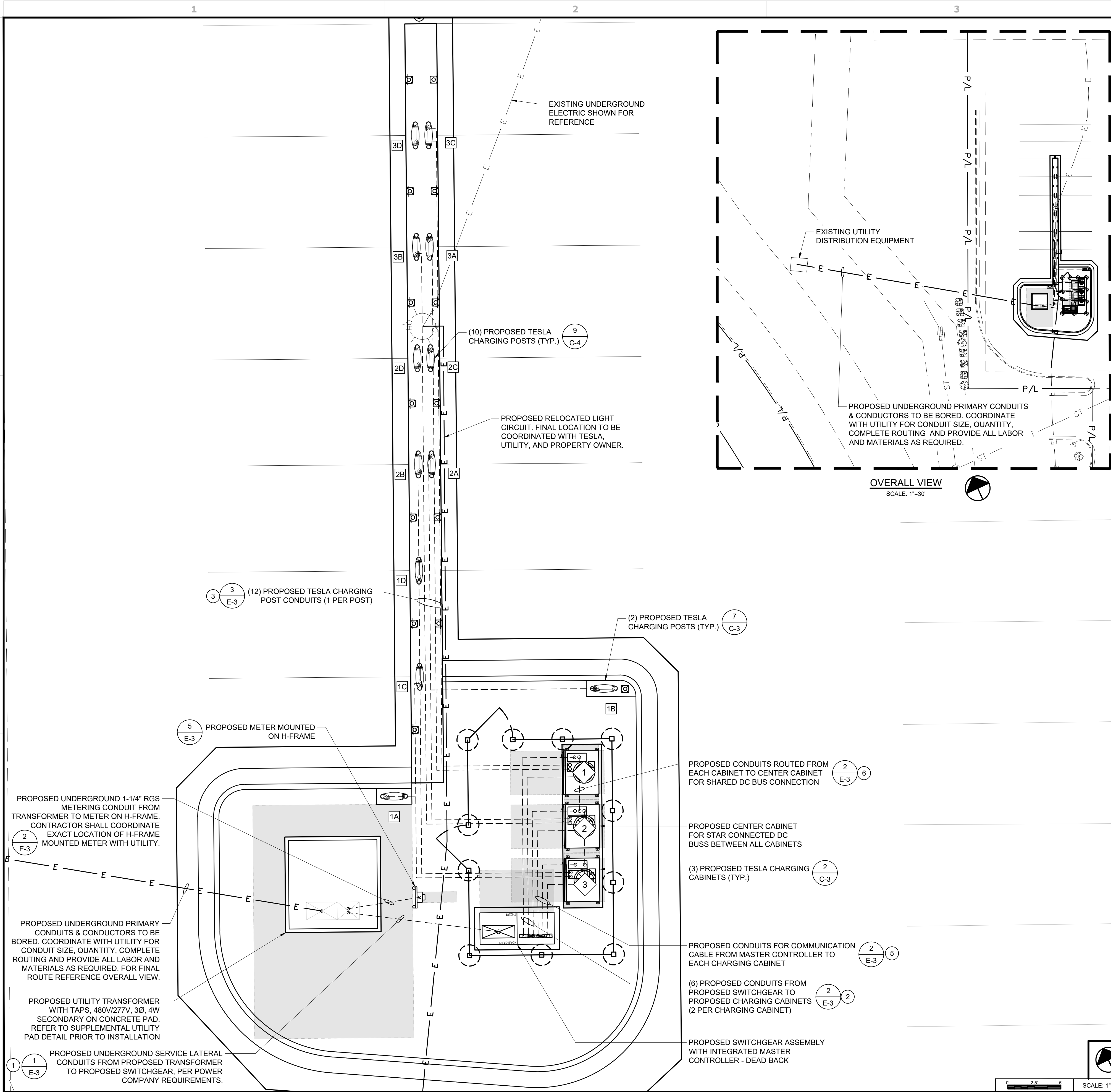
ISSUED FOR:	
PERMIT	XXX
BID	XXX
CONSTRUCTION	XXX
RECORD	XXX

INSTALL MANAGER	DESIGNER
WILL CARTER	KSB

JOB NO.
2021141.14

C-2

Drawing Name: O:\2021\202114114 - TRT 18626 - Lexington, KY -Meijer.dwg(2021141.14 - Lexington, KY - Meijer - CD90.dwg
February 2, 2022 6:11 PM - kbell



GENERAL SHEET NOTES

- " # " DENOTES FEEDER REFERENCE. REFER TO SHEET E-2 FOR FEEDER/CIRCUIT SCHEDULE.
- CONTRACTOR SHALL REFER TO CIVIL SHEETS FOR EXISTING LANDSCAPING TO REMAIN AND PROPOSED LANDSCAPING.
- CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES.
- CONDUIT ELBOWS SHALL BE SIZED PER NEC. CONTRACTOR SHALL VERIFY MANUFACTURER ALLOWABLE FILL AND MINIMUM CONDUCTOR BENDING RADIUS. SEE FEEDER SCHEDULE FOR CONDUIT & CONDUCTOR SPECIFICATIONS.
- ALL CONDUITS ACCESSIBLE TO THE PUBLIC OR WHICH CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.
- PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY OTHERS FOR EXACT LOCATION.
- UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATION.
- ALL PROPOSED CONDUITS MUST MEET MINIMUM DEPTH REQUIREMENTS AS OUTLINED IN TRENCH DETAILS, AS WELL AS MAINTAIN A MINIMUM OF 18" CLEAR OF ALL EXISTING OBSTRUCTIONS INCLUDING (BUT NOT LIMITED TO) STORM PIPES, SANITARY PIPES, WATER LINES AND OTHER UNDERGROUND UTILITIES.
- PROPERTY LINE AND RIGHT-OF-WAY BOUNDARIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SURVEY BY OTHERS FOR EXACT LOCATION.
- FOR TRAFFIC CONTROL PROCEDURES (IF APPLICABLE), SEE TRAFFIC CONTROL NOTES ON SHEET GN-1.

ELECTRICAL SCOPE OF WORK RESPONSIBILITIES

SCOPE	BY UTILITY	BY CONTRACTOR
PROVIDE PRIMARY SIDE BORE		X
PROVIDE & INSTALL PRIMARY SIDE CONDUITS W/ PULLWIRE		X
PROVIDE & INSTALL PRIMARY SIDE CONDUCTORS	X	
PROVIDE & INSTALL UTILITY TRANSFORMER PAD		X
PROVIDE UTILITY TRANSFORMER	X	
INSTALL UTILITY TRANSFORMER	X	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (PRIMARY)	X	
INSTALL CONNECTIONS AT UTILITY TRANSFORMER (SECONDARY)	X	
PROVIDE METER BASE	X	
INSTALL METER BASE		X
PROVIDE METER	X	
INSTALL METER	X	
PROVIDE CTs	X	
INSTALL CTs (INSIDE TRANSFORMER)	X	
PROVIDE SECONDARY SIDE TRENCHING		X
PROVIDE & INSTALL SECONDARY SIDE CONDUITS W/ PULLWIRE		X
PROVIDE & INSTALL SECONDARY SIDE CONDUCTORS		X
PROVIDE ROAD CUTS / ROAD BORES / PAVEMENT REPLACEMENT		X
PROVIDE & INSTALL LANDSCAPE REMEDIATION REPLACEMENT		X

NOTE: SCOPE SHOWN ABOVE WAS PROVIDED BY KENTUCKY UTILITIES COMPANY. FIELD VERIFY PRIOR TO CONSTRUCTION.

POWER COMPANY CONTACTS

KENTUCKY UTILITIES COMPANY
ATTN: WILLIAM HAYES
WILLIAM.HAYES@LGE-KU.COM

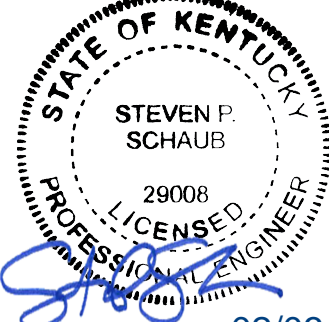


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(TESLA STATION) - TRT18626
LEXINGTON, KY 40503

ELECTRICAL
EQUIPMENT PLAN

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PERMIT	xxx
BID	xxx
CONSTRUCTION	xxx
RECORD	xxx

INSTALL MANAGER	DESIGNER
WILL CARTER	KSB

JOB NO.
2021141.14

E-1